HCA COPYRIGHT 2002 ACS XP-002193175 AN 120:325689 HCA Dyed blend fabrics of spandex fibers and polyamide or polyester fibers TT with washfast chlorine fastness Chiba, Shuji; Arimatsu, Giichi; Shirasu, Koji; Ido, Yoshinori; Suzuki, IN Hajime PA Toyo Boseki, Japan P.D. DO-00-00 Jpn. Kokai Tokkyo Koho, 9 pp. SO CODEN: JKXXAF DT Patent LA Japanese IC ICM D06P005-00 ICS D04B001-18; D04B021-18; D06P003-24; D06P003-82; D06P005-00 CC 40-6 (Textiles and Fibers) Section cross-reference(s): 41 FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO. DATE PI JP 05239778 **A2** 19930917 JP 1992-73564 19920224 JP 3221508 **B2** 20011022

The title fabrics are prepd. by dyeing blends of elastic polyurethane fibers and polyamide fibers or cationic-dyeable polyester fibers with acid dyes, disperse dyes, metalized dyes, reactive dyes, or direct dyes, and treating the fabrics with substances (A) having Cl reaction amt. (C) by a specified test .gtoreq.50 mequiv/g and resin finishes (B) to A content 0.1-20% and B content 1.0-20%. A tricot from MDI-polytetramethylene glycol-1,2-propylenediamine copolymer elastomer fibers and nylon 66 fibers was dyed with a liq. contg. 5% (on fiber) Kayacyl Blue BR, treated with a dispersion contg. 5% (on fiber) bisphenol A (C 79.5 mequiv/g) from 40.degree. to 80.degree. for 50 min, subsequently treated with an anionic polyphenol dye fixation agent, finally treated with a liq. contg. Sumitex Resin M-6, dried, heat treated 3 min at 150.degree., washed, and dried to give a dyed knit with Cl fastness rating 4-5 initially and 4 after 20 washings.

ST spandex blend fabric dyed chlorine fastness; nylon spandex blend dyed chlorine fastness; polyester spandex blend dyed chlorine fastness; bisphenol A chlorine fading inhibitor; washfastness dyed spandex blend fabric

IT Spandex fibers RL: USES (Uses)

(blends with polyamide or polyester fibers, dyed, finishing of, for washfast chlorine fastness)

IT Polyamide fibers, uses Polyester fibers, uses

RL: USES (Uses)

(blends with spandex fibers, dyed, finishing of, for washfast chlorine fastness)

IT Discoloration prevention

(chlorine fading, of dyed blend fabrics of spandex fibers and polyamide or polyester fibers, by biphenyl derivs. or phenolic compds. with specified chlorine reaction amt.)

IT Rubber, urethane, uses RL: PREP (Preparation)

(fiber, blends with polyamide or polyester fibers, dyeing of, with washfast chlorine fastness)

IT Dyeing

(of blend fabrics of spandex fibers and polyamide or polyester fibers, with washfast chlorine fastness, aftertreatment with phenolic compds. and resin finishes in)

IT 80-05-7, Bisphenol A, uses 92-88-6, 4,4'-Biphenol 620-92-8